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Update

*The Newsletter of
Missouri Technology Education
• Issue 21
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Missouri Department of Elementary and Secondary Education

Missourians Receive Awards at ITEA Conference in Atlanta

Dr. Michael D. Wright, Coordinator of Technology and Occupational Education at Central Missouri State University, Warrensburg, Missouri was sworn in as the 2001-2002 President of ITEA at the Annual Conference in Atlanta, Georgia, March 22-24, 2001.

Mr. Ben Yates, Department of Graphics Instructor at Central Missouri State University, Warrensburg, Missouri was sworn in as ITEA Region III Representative at the Annual ITEA Conference in Atlanta, Georgia. He will serve as an active member of the ITEA Board for 2001-2002.

Steve McNaught from Cassville High School received the Program Excellence Award during the Annual ITEA Conference Professional recognition Awards Program at the Annual Conference in Atlanta, Georgia.

Congratulations to each of you!! Missouri is very proud to have each of you representing us and we know that you are the greatest!

Missouri Institute for Technology Education

There is a new **Missouri Institute for Technology Education** designed to assist Missouri public schools in their transition from industrial arts, industrial technology, and other academic disciplines to technology education. The year-long activity will begin **Monday, August 6, 2001 and go through Friday afternoon, August 10, 2001**, at Central Missouri State University in Warrensburg, Missouri. The Institute will end with a final "callback" session during the spring of 2002. Upon successful completion of the entire Institute, participants will be awarded three semester hours of credit (at no cost to them) from Central Missouri State University.

There is a limit of 50 participants for this first year of the MITE program. Those schools who are recipients of the FY-2002 Technology Education Grant Awards Program (TE GAP) will need to register each of their grant instructors. Please contact me regarding specific questions on participant eligibility and

the MITE requirement for FY-2002 TE GAP schools. Please note that this project is contingent on Governor Holden signing the Fiscal Year 2002 Budget, which will be sometime in June.

There will be no registration fee charged for participants this year. There is no cost to the LEA/instructor for tuition fees, the double-occupancy room (unless they request a private room, for which they must pay 1/2 the room rate), or meal costs (reimbursed up to \$17.50 per day for meals). Transportation to and from the Institute is the responsibility of the LEA.

Please have your instructors complete the application found at: <http://www.dese.state.mo.us/divvoced/industrial/TechEd/MITE.htm> and submit it to me: Doug Miller, Technology Education, Missouri Department of Elementary and Secondary Education, P.O. Box 480, Jefferson City, MO 65102-0480, by **June 15, 2001**. Dr. Michael Wright and Ben Yates, MITE Co-Directors, will mail specific logistical information regarding the Institute directly to you and your instructor in the near future.

Thank you for your support of Technological Literacy. Please contact me with your questions at dmiller1@mail.dese.state.mo.us or 573.751.7764.

Missouri TE Model Elementary Program Recognized

Congratulations to Dee Blassie, elementary teacher at Carman Trails Elementary School, Parkway C-2 School District, Manchester, Missouri. Dee was selected as having Missouri's Model Elementary Technology Education Program for commitment and dedication to her students and for capturing the philosophy and rationale of Technology Education.

The students who experience the technological literacy opportunities integrated into the content of her classroom will gain a great deal of experience and confidence to succeed in our technological world.

You can view more information and photos at:

<http://www.dese.state.mo.us/divvoted/industrialied/TechEd/TEsummerconfinfo-2001.htm>

Missouri ACTE Summer Conference, July 23-27, 2001

You will want to plan now to attend the Annual Missouri ACTE Summer Conference, July 23-27, 2001, in Springfield, Missouri. The TEAM Division has a busy schedule planned to provide for professional development opportunities, updates from DESE, and project ideas for your classrooms.

You will find the forms necessary for registration at the conference making and hotel reservations at the Missouri ACTE web site located at the following URL: <http://www.mo-acte.org/>

This is your opportunity to grow and contribute to Technology Education. For more information about Summer Conference go to:

<http://www.dese.state.mo.us/divvoted/industrialied/TechEd/TEsummerconfinfo-2001.htm>.

Missouri Technology Education Projects Proposed

There are several projects that have been proposed to DESE that will provide leadership for all of Missouri's TE programs. They are: revision of the Missouri Industrial Technology - Technology Education guide, pilot a 9th-10th grade career and technical program and revision of the Industrial Technology teaching certification:

There will be more information shared at a later date concerning each of these projects.

Technology Education Grant Awards Program Recipients Named for Fiscal Year 2002

The Technology Education Grant Awards Program (TE GAP) has completed its 24th year. During these 24 years of service the grant has helped over 600 schools improve their Industrial Technology Programs. This year the following schools were awarded the grant for Fiscal Year 2002:

007-123 1050

Adrian R-3 Schools
Adrian High School
Mr. Jim Hogan
601 N. Houston
Adrian, MO 64720

015-002 1050

Camdenton R-III School District
Camdenton High School
Mr. Mitch Comer
Township Rd.
P.O. Box 1409
Camdenton, MO 65020-1409

056-015 1050

Canton R-V School District
Canton R-V Secondary School
Mr. Don Ogle
200 South 4th St.
Canton, MO 63435-1510

049-142 2050

Carthage R-9 School District
Carthage Junior High School
Mr. Chris Adams
827 East Centennial
Carthage, MO 64836-2512

096-102 1050

School District of Clayton
Clayton High School
Mr. Matt Dieckhaus
#1 Mark Twain Circle
Clayton, MO 63105-1613

042-124 3000

Clinton School District #124
Clinton Middle School
Ms. Laura Henny
701 South 8th St.
Clinton, MO 64735-2901

039-142 1050

Fair Grove R-10 School District
Fair Grove High School
Mr. Roger Kathka
132 N. Main St.
Fair Grove, MO 65648-8436

092-087 1090

Fort Zumwalt School District
Fort Zumwalt West High School
Mr. Don Frazier
1251 Turtle Creek Dr.
O'Fallon, MO 63366

096-088 2100

Hazelwood School District
Kirby Junior High School
Mr. Chris Weil
1865 Dunn Rd.
St Louis MO 63138-1017

073-108 1050

Neosho R-5 School District
Neosho High School
Mr. Ron Sorenson
511 Neosho Blvd.
Neosho, MO 64850-2049

096-095 1075

Parkway School District
Parkway North High School
Mr. Scott Phillips
12860 Fee Fee Rd.
Creve Couer, MO 63146-4431

096-095 1090

Parkway School District
Parkway South High School
Mr. Charles Riggs
801 Hanna Rd.
Manchester, MO 63021-6771

083-005 1080

Park Hill School District
Park Hill South High School
Mr. Robin Heilig
4500 N.W. River Park Dr.
Riverside, MO 64150-0000

066-105 2050

School of the Osage
School of the Osage Middle School
Mr. Doug Reed
P.O. Box 1960
1501 School Rd.
Lake Ozark, MO 65049-1960

024-087 1050

Smithville R-II School District
Smithville High School
Mr. Scott Vitek
645 South Commercial
Smithville, MO 64089-9381

022-094 1050

Spokane R-VII Schools
Spokane High School
Mr. Jim Gallaher
1123 Spokane Rd.
P.O. Box 218
Spokane, MO 65754-0218

011-082 1080

St Joseph School District
Lafayette High School
Mr. Thomas Toalson
412 E. Highland Ave.
St. Joseph, MO 64505-1809

011-082 1050

St Joseph School District
Benton High School
Mr. Mark Blakley
5655 S. 4th St.
St. Joseph, MO 64504-1708



I would like to challenge every Industrial Technology / Technology Education teacher in Missouri to apply for a Technology Education Grant by the deadline of March 31, 2002 (next year). You can find the RFP and a number of additional resources on the DESE web site to guide you in the grant process. Check it out at: <http://www.dese.state.mo.us/divvoted/industrial/TechEd/TechEdIndex.htm>

Missouri TSA News

We just completed another exciting year of growth in Missouri TSA. We closed the year with 33 chapters and 2637 student members as compared to 21 chapters and 1403 members last year.

Our 2001-2002 Missouri TSA State Officer Team is already raising the standard another notch on the bar. They have some exciting plans for the new year. To support those competing at National TSA they have organized 8 chapters and 43 members to attend National TSA in Richmond, Virginia this June 21-25, 2001.

If you are interested in starting a new Missouri TSA chapter, you can find a number of helpful resources on the Missouri TSA web site at: <http://www.dese.state.mo.us/divvoted/industrial/TechEd/TSAindex.htm> It is recommended by the experienced advisors that the Fall Leadership Connections Conference should be your first priority in organizing your chapter. You will find information about this and other activities on the web site.

A challenge for all Missouri TSA chapters to consider for the approaching new year: Encourage your chapter to adopt a policy of community service, school service, leadership involvement hours as a requirement to attend and compete at the Missouri State Conference 2002. To do this, the calendar of activities will need to be planned at the beginning of the year to accommodate all of the scheduling. *"There is no limit to what can be accomplished if it doesn't matter who gets the credit."* Ralph Waldo Emerson



Frequently Asked Questions

What are the safety concerns for a Technology Education Lab? Should I have safety zones marked? What is the law concerning eye protection in the lab? What about safety guards for machines, are they required? Should I post safety rules? Where should the

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safety rules be posted? Should I keep an individual record for each student on safety performance? Is there a checklist that I can use for a general walk through to evaluate my Technology Education lab for proper safety compliance? Should we have a dust collector? Do we need a ventilation system?

The answers to each of these questions can be found in the Missouri Public Schools Safe Facilities Guide produced by IML of the University of Missouri Columbia, #90-0010-I. It is available on the DESE web site at: <http://www.dese.state.mo.us/divvoted/schfacguide/>

Technology Education Resources

Recruit 1 in 2001

CTTE Teacher Recruitment - If you are looking for resources or curriculum to assist you in recruiting Technology Education Teachers, here it is! Use this lesson to introduce students to Technology Education teaching careers! (PDF File) available from the CTTE Web Site at: <http://teched.vt.edu/ctte/>

OSHA Link to Machine Guarding Safety - Moving machine parts have the potential for causing severe workplace injuries, such as crushed fingers or hands, amputations, burns, and blindness, just to name a few. Safeguards are essential for protecting workers from these needless and preventable injuries. Machine guarding and related machinery violations continuously rank among the top 10 of OSHA citations issued. In fact, "Mechanical Power Transmission" (1910.219) and "Machine Guarding: General Requirements" (1910.212) were the No. 6 and No. 7 top OSHA violations for FY 1997, with 3,077 and 3,050 federal citations issued, respectively. Mechanical power presses have also become an area of increasing concern. In April 1997, OSHA launched a National Emphasis Program on Mechanical Power Presses (CPL 2-1.24). This program targets industries that have high amputation rates and includes both education and enforcement efforts. Check it out at: <http://www.osha-slc.gov/SLTC/machineguarding/index.html>

"Technology Education Facility Planning: Frequently Asked Questions" – This is a Monograph available from ITEA through member services, prepared by Brian K. McAlister and Andrew J. Krueger of the University of Wisconsin-Stout, Department of Communication, Education, and Training. This is a valuable resource for any Technology Education teacher who deals with facility challenges and concerns. Check it out at: <http://www.iteawww.org/> and click on Member Services, have your ITEA ID number ready and you can get this document in PDF format.

Principles of Technology teachers, this is cool stuff!! <http://library.advanced.org/11924/index.html>

Computer First Aid on the Internet: Do you need to scan your computer for a virus? Or does your computer just need a 3000 surfer mile check up? Well here is a web site to do all of that and then some. Check it out: <http://www.mcafee.com/centers/>.

Manufacturing (SME): This website strives to bring the excitement of manufacturing technology and engineering to life for students in the K-12 classroom. Teachers, guidance counselors, parents, students, and volunteers who wish to advance their technological literacy will find interesting information about scholarships, tours, summer camps, curriculum development assistance, and more...all connected to the world of manufacturing, math and science. The 60,000 members of the Society of Manufacturing Engineers bring this information to you. Check it out at: <http://www.manufacturingiscool.com/cgi-bin/mfgcoolhtml.pl?/home.html>

Patents and Inventions – If you or your students have an interest in inventions and patent information this is a web site for you. Check it out at the PatentCafe: <http://www.patentcafe.com/>.

Thoughts for Consideration

Learn how to make decisions

*"If I had to sum up in one word what makes a good leader, I'd say decisiveness. You can use the fanciest computers to gather the numbers, but in the end you have to set a timetable and **act**"* Lee Iacocca

Strike out on your own

"If you want to succeed you should strike out on new paths rather than travel the worn paths of accepted success." John D. Rockefeller, Jr.

Choosing the right door to enter

"Sometimes we stare so long at a door that is closing that we see to late the one that is open." Alexander Graham Bell

The struggle is worth it all

"Struggle always comes before success. For most artists, when they have arrived at what the public and critics term success ... all the pain and struggle – all the strife and anxiety that preceded – is forgotten." Jascha Heifetz, violinist

(This one is back by popular demand)

Strive for Perfection – OR ELSE!

If 99.9 percent is good enough, then...

- ~~✂~~ Two million documents will be lost by the IRS this year.
- ~~✂~~ 811,000 faulty rolls of 35 mm film will be loaded this year.
- ~~✂~~ 22,000 checks will be deducted from the wrong bank accounts in the next 60 minutes.
- ~~✂~~ 1,314 phone calls will be misplaced by telecommunications services every minute.
- ~~✂~~ 12 babies will be given to the wrong parents each day.
- ~~✂~~ 268,500 defective personal computers will be shipped this year.
- ~~✂~~ 14,208 defective tires will be shipped this year. (This one has a new meaning!)
- ~~✂~~ 103,260 income tax returns will be processed incorrectly this year.
- ~~✂~~ 2,488,200 books will be shipped in the next 12 months with the wrong cover.
- ~~✂~~ 5,517,200 cases of soft drinks produced in the next 12 months will be flatter than a bad tire.
- ~~✂~~ Two plane landings daily at O'Hare International Airport in Chicago will be unsafe.
- ~~✂~~ 3,056 copies of tomorrow's Wall street Journal will be missing one of the three sections.
- ~~✂~~ 18,322 pieces of mail will be mishandled in the next hour.

- ~~✂~~ 291 pacemaker operations will be performed incorrectly this year.
- ~~✂~~ 880,000 credit cards in circulation will turn out to have incorrect cardholder information on their magnetic strips.
- ~~✂~~ \$9,690 will be spent today, tomorrow, next Thursday, and every day in the future on defective, often unsafe sporting equipment.
- ~~✂~~ 55 malfunctioning automatic teller machines will be installed in the next 12 months.
- ~~✂~~ 20,000 incorrect drug prescriptions will be written in the next 12 months.
- ~~✂~~ 114,500 mismatched pairs of shoes will be shipped this year.
- ~~✂~~ \$761,900 will be spent in the next 12 months on tapes and compact discs that won't play.
- ~~✂~~ 107 incorrect medical procedures will be performed by the end of the day today.
- ~~✂~~ 315 entries in Webster's Third New International Dictionary of the English Language will turn out to be misspelled.

(InSight, Syncrude Canada Ltd., Communications Division)